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**TRANSMITTAL LETTER TO THE UNITED STATES
DESIGNATED/ELECTED OFFICE (DO/EO/US)
CONCERNING A SUBMISSION UNDER 35 U.S.C. 371**

ATTORNEY'S DOCKET NUMBER
04703/0202167-US0
U.S. APPLICATION NO. (If known, see 37 CFR 1.5)
10/516,520

INTERNATIONAL APPLICATION NO.
PCT/JP03/06740

INTERNATIONAL FILING DATE
May 29, 2003

PRIORITY DATE CLAIMED

TITLE OF INVENTION SYSTEM FOR PRODUCING ALLOY CONTAINING RARE EARTH METAL

APPLICANT(S) FOR DO/EO/US Kazuhiko Yamamoto et al.

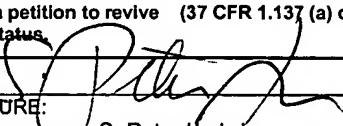
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

1. This is a **FIRST** submission of items concerning a submission under 35 U.S.C. 371.
2. This is a **SECOND** or **SUBSEQUENT** submission of items concerning a submission under 35 U.S.C. 371.
3. This is an express request to begin national examination procedures (35 U.S.C. 371 (f)). The submission must include items (5), (6), (9) and (21) indicated below.
4. The US has been elected (Article 31).
5. A copy of the International Application as filed (35 U.S.C. 371 (c)(2))
 - a. is attached hereto (required only if not communicated by the International Bureau).
 - b. has been communicated by the International Bureau.
 - c. is not required, as the application was filed in the United States Receiving Office (RO/US).
6. An English language translation of the International Application as filed (35 U.S.C. 371 (c)(2))
 - a. is attached hereto.
 - b. has been previously submitted under 35 U.S.C. 154(d)(4).
7. Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371 (c)(3))
 - a. are attached hereto (required only if not communicated by the International Bureau).
 - b. have been communicated by the International Bureau.
 - c. have not been made; however, the time limit for making such amendments has NOT expired.
 - d. have not been made and will not be made.
8. An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371 (c)(3)).
9. An oath or declaration of the inventor(s) (35 U.S.C. 371 (c)(4)).
10. An English language translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371 (c)(5)).

Items 11 to 20 below concern document(s) or information included:

11. An Information Disclosure Statement under 37 CFR 1.97 and 1.98.
12. An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.
13. A preliminary amendment.
14. An Application Data Sheet under 37 CFR 1.76.
15. A substitute specification.
16. A power of attorney and/or change of address letter.
17. A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821 - 1.825.
18. A second copy of the published International Application under 35 U.S.C. 154(d)(4).
19. A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).
20. Other items or information: Return Receipt Postcard
Certificate of Express Mail

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| U.S. APPLICATION NO. (if known, see 37 CFR 1.5) 10/516,520 | | INTERNATIONAL APPLICATION NO. PCT/JP03/06740 | | ATTORNEY'S DOCKET NUMBER 04703/0202167-US0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 21. The following fees are submitted: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table border="1"> <tr> <td><input type="checkbox"/></td> <td>a) Basic national fee</td> <td>\$300.00</td> <td>\$</td> <td></td> <td></td> </tr> <tr> <td><input type="checkbox"/></td> <td>b) Examination fee</td> <td>\$200.00</td> <td>\$</td> <td></td> <td></td> </tr> <tr> <td><input type="checkbox"/></td> <td>c) Search fee</td> <td>\$500.00</td> <td>\$</td> <td></td> <td></td> </tr> <tr> <td colspan="3">TOTAL OF ABOVE CALCULATIONS =</td> <td>\$1000.00</td> <td>\$</td> <td></td> </tr> </table> | | | | | | <input type="checkbox"/> | a) Basic national fee | \$300.00 | \$ | | | <input type="checkbox"/> | b) Examination fee | \$200.00 | \$ | | | <input type="checkbox"/> | c) Search fee | \$500.00 | \$ | | | TOTAL OF ABOVE CALCULATIONS = | | | \$1000.00 | \$ | | | | | | | |
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| - 100 = | /50 = | | | x \$250.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492 (e)). | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table border="1"> <tr> <td colspan="2">CLAIMS</td> <td>NUMBER FILED</td> <td>NUMBER EXTRA</td> <td colspan="2">RATE</td> </tr> <tr> <td colspan="2">Total claims</td> <td>- 20 =</td> <td></td> <td>x</td> <td>\$</td> </tr> <tr> <td colspan="2">Independent claims</td> <td>- 3 =</td> <td></td> <td>x</td> <td>\$</td> </tr> <tr> <td colspan="2">MULTIPLE DEPENDENT CLAIM(s) (if applicable)</td> <td></td> <td>+</td> <td>\$</td> <td></td> </tr> <tr> <td colspan="6">TOTAL OF ABOVE CALCULATIONS =</td> </tr> </table> | | | | | | CLAIMS | | NUMBER FILED | NUMBER EXTRA | RATE | | Total claims | | - 20 = | | x | \$ | Independent claims | | - 3 = | | x | \$ | MULTIPLE DEPENDENT CLAIM(s) (if applicable) | | | + | \$ | | TOTAL OF ABOVE CALCULATIONS = | | | | | |
| CLAIMS | | NUMBER FILED | NUMBER EXTRA | RATE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Total claims | | - 20 = | | x | \$ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Independent claims | | - 3 = | | x | \$ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MULTIPLE DEPENDENT CLAIM(s) (if applicable) | | | + | \$ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TOTAL OF ABOVE CALCULATIONS = | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| <table border="1"> <tr> <td colspan="6">Fee for recording the enclosed assignment (37 CFR 1.21 (h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property</td> </tr> <tr> <td colspan="6">TOTAL FEES ENCLOSED =</td> </tr> </table> | | | | | | Fee for recording the enclosed assignment (37 CFR 1.21 (h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property | | | | | | TOTAL FEES ENCLOSED = | | | | | | | | | | | | | | | | | | | | | | | |
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| TOTAL FEES ENCLOSED = | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table border="1"> <tr> <td colspan="3">65.00 0P</td> <td>Amount to be refunded:</td> <td>\$</td> <td></td> </tr> <tr> <td colspan="3"></td> <td>Amount to be charged:</td> <td colspan="2">\$65.00</td> </tr> </table> | | | | | | 65.00 0P | | | Amount to be refunded: | \$ | | | | | Amount to be charged: | \$65.00 | | | | | | | | | | | | | | | | | | | |
| 65.00 0P | | | Amount to be refunded: | \$ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | Amount to be charged: | \$65.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>a. <input checked="" type="checkbox"/> A check in the amount of \$ 65.00 to cover the above fees is enclosed.</p> <p>b. <input type="checkbox"/> Please charge my Deposit Account No. _____ in the amount of \$ _____ to cover the above fees. A duplicate copy of this sheet is enclosed.</p> <p>c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 04-0100. A duplicate copy of this sheet is enclosed.</p> <p>d. <input type="checkbox"/> Fees are to be charged to a credit card. WARNING: Information on this form may become public. Credit card Information should not be included on this form. Provide credit card information and authorization on PTO-2038.</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137 (a) or (b)) must be filed and granted to restore the International Application to pending status. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SEND ALL CORRESPONDENCE TO: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>S. Peter Ludwig DARBY & DARBY P.C. P.O. Box 5257 New York, New York 10150-5257 (212) 527-7770</p> <p>CUSTOMER NUMBER: 07278</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>SIGNATURE: </p> <p>NAME: S. Peter Ludwig</p> <p>REGISTRATION NUMBER: 25,351</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Certificate of Express Mailing Under 37 CFR 1.10

I hereby certify that this correspondence is being deposited with the United States Postal Service as Express Mail, Airbill No. *6V382053782-US* in an envelope addressed to:

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Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

on December 29, 2004
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Telephone Number

Note: Each paper must have its own certificate of mailing, or this certificate must identify each submitted paper.

Combine Declaration and Power of Attorney (3 pages)
Transmittal Letter to the United States Designated-Elected Office (2 pages)
Return Postcard
Check No. 7146 in the Amount of \$65.00